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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757B

DATE: 07/10/2002

TIME: 10:51:17

Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\07102002\J078757B.raw

4 <110> APPLICANT: BARBAS, Carlos F., III
5 RADER, Christoph
7 <120> TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY
10 <130> FILE REFERENCE: TSRI 598.0 Con1
12 <140> CURRENT APPLICATION NUMBER: US 10/078,757B
13 <141> CURRENT FILING DATE: 2002-02-19
15 <150> PRIOR APPLICATION NUMBER: US 08/986,016
16 <151> PRIOR FILING DATE: 1997-12-05
18 <160> NUMBER OF SEQ ID NOS: 56
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 8
24 <212> TYPE: PRT
25 <213> ORGANISM: Mus Musculus
27 <220> FEATURE:
29 <400> SEQUENCE: 1
30 His Asn Tyr Gly Ser Phe Ala Tyr
31 1 5
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 9
36 <212> TYPE: PRT
37 <213> ORGANISM: Mus Musculus
39 <220> FEATURE:
41 <400> SEQUENCE: 2
42 Gln Gln Ser Asn Ser Trp Pro His Thr
43 1 5
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 37
48 <212> TYPE: DNA
49 <213> ORGANISM: Homo Sapiens
51 <400> SEQUENCE: 3
52 gggcccaggc ggccgagctc cagatgaccc agtctcc 37
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 37
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo Sapiens
59 <220> FEATURE:
61 <400> SEQUENCE: 4
62 gggcccaggc ggccgagctc gtgatgacyc agtctcc 37
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 37
66 <212> TYPE: DNA
67 <213> ORGANISM: Homo Sapiens

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69 <220> FEATURE:
71 <400> SEQUENCE: 5
72 gggcccaggc ggccgagctc gtgwtgacrc agtctcc 37
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 37
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo Sapiens
79 <220> FEATURE:
81 <400> SEQUENCE: 6
82 gggcccaggc ggccgagctc acactcacgc agtctcc 37
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 23
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo Sapiens
89 <220> FEATURE:
91 <400> SEQUENCE: 7
92 cagtaataca ctgcaaaatc ttc 23
94 <210> SEQ ID NO: 8
95 <211> LENGTH: 23
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo Sapiens
99 <220> FEATURE:
101 <400> SEQUENCE: 8
102 cagtaataaaa ccccaacatc ctc 23
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 40
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo Sapiens
109 <220> FEATURE:
111 <400> SEQUENCE: 9
112 gggcccaggc ggccgagctc gtgbtgacgc agccgccctc 40
114 <210> SEQ ID NO: 10
115 <211> LENGTH: 40
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo Sapiens
119 <220> FEATURE:
121 <400> SEQUENCE: 10
122 gggcccaggc ggccgagctc gtgctgactc agccaccctc 40
124 <210> SEQ ID NO: 11
125 <211> LENGTH: 43
126 <212> TYPE: DNA
127 <213> ORGANISM: Homo Sapiens
129 <220> FEATURE:
131 <400> SEQUENCE: 11
132 gggcccaggc ggccgagctc gccctgactc agcctccctc cgt 43
134 <210> SEQ ID NO: 12
135 <211> LENGTH: 46
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo Sapiens

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139 <220> FEATURE:
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146 <212> TYPE: DNA
147 <213> ORGANISM: Homo Sapiens
149 <220> FEATURE:
151 <400> SEQUENCE: 13
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154 <210> SEQ ID NO: 14
155 <211> LENGTH: 40
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo Sapiens
159 <220> FEATURE:
161 <400> SEQUENCE: 14
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164 <210> SEQ ID NO: 15
165 <211> LENGTH: 40
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo Sapiens
169 <220> FEATURE:
171 <400> SEQUENCE: 15
172 gggcccaggc ggccgagctc gggcagactc agcagctctc 40
174 <210> SEQ ID NO: 16
175 <211> LENGTH: 40
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo Sapiens
179 <220> FEATURE:
181 <400> SEQUENCE: 16
182 gggcccaggc ggccgagctc gtggtgacgc aggagccmtc 40
184 <210> SEQ ID NO: 17
185 <211> LENGTH: 40
186 <212> TYPE: DNA
187 <213> ORGANISM: Homo Sapiens
189 <220> FEATURE:
191 <400> SEQUENCE: 17
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194 <210> SEQ ID NO: 18
195 <211> LENGTH: 21
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo Sapiens
199 <220> FEATURE:
201 <400> SEQUENCE: 18
202 gcagtaataa tcagcctcrt c 21
204 <210> SEQ ID NO: 19
205 <211> LENGTH: 44
206 <212> TYPE: DNA
207 <213> ORGANISM: Homo Sapiens

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Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\07102002\J078757B.raw

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209 <220> FEATURE:
211 <400> SEQUENCE: 19
212 gctgccaac cagccatggc ccagggtgcag ctggtgcagt ctgg          44
214 <210> SEQ ID NO: 20
215 <211> LENGTH: 44
216 <212> TYPE: DNA
217 <213> ORGANISM: Homo Sapiens
219 <220> FEATURE:
221 <400> SEQUENCE: 20
222 gctgccaac cagccatggc ccagatcacc ttgaaggagt ctgg          44
224 <210> SEQ ID NO: 21
225 <211> LENGTH: 44
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo Sapiens
229 <220> FEATURE:
231 <400> SEQUENCE: 21
232 gctgccaac cagccatggc cgagggtgcag ctggtgsagt ctgg          44
234 <210> SEQ ID NO: 22
235 <211> LENGTH: 44
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo Sapiens
239 <220> FEATURE:
241 <400> SEQUENCE: 22
242 gctgccaac cagccatggc ccagggtgcag ctgcaggagt cggg          44
244 <210> SEQ ID NO: 23
245 <211> LENGTH: 24
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo Sapiens
249 <220> FEATURE:
251 <400> SEQUENCE: 23
252 cgcacagtaa tacacggccg tgtc          24
254 <210> SEQ ID NO: 24
255 <211> LENGTH: 21
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: PCR Primer for PelB Leader Sequence
262 <400> SEQUENCE: 24
263 acctattgcc tacggcagcc g          21
265 <210> SEQ ID NO: 25
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo Sapiens
270 <220> FEATURE:
272 <400> SEQUENCE: 25
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275 <210> SEQ ID NO: 26
276 <211> LENGTH: 8
277 <212> TYPE: PRT

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RAW SEQUENCE LISTING

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TIME: 10:51:17

Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\07102002\J078757B.raw

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278 <213> ORGANISM: Homo Sapiens
280 <220> FEATURE:
282 <400> SEQUENCE: 26
283 Asp Thr Ala Val Tyr Tyr Cys Ala
284 1 5
287 <210> SEQ ID NO: 27
288 <211> LENGTH: 8
289 <212> TYPE: PRT
290 <213> ORGANISM: Mus Musculus
292 <220> FEATURE:
294 <400> SEQUENCE: 27
295 Asp Thr Ala Met Tyr Tyr Cys Ala
296 1 5
299 <210> SEQ ID NO: 28
300 <211> LENGTH: 69
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic PCR Primer
307 <400> SEQUENCE: 28
308 gacacggccg tgtattactg tgcgcgtcat aactacggca gttttgctta ctggggccag 60
309 ggaaccctg 69
311 <210> SEQ ID NO: 29
312 <211> LENGTH: 42
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic PCR Primer
319 <400> SEQUENCE: 29
320 gaggaggagg aggagactag ttttgtcaca agatttgggc tc 42
322 <210> SEQ ID NO: 30
323 <211> LENGTH: 73
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Synthetic PCR Primer
330 <400> SEQUENCE: 30
331 gaagattttg cagtgtatta ctgcccaaca gagtaacagc tggcctcaca cgtttggcca 60
332 ggggaccaag ctg 73
334 <210> SEQ ID NO: 31
335 <211> LENGTH: 21
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Synthetic PCR Primer
342 <400> SEQUENCE: 31
343 aatacgactc actatagggc g 21
345 <210> SEQ ID NO: 32
346 <211> LENGTH: 72

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/10/2002
PATENT APPLICATION: US/10/078,757B TIME: 10:51:18

Input Set : A:\598-0CON1SEQLIST.TXT
Output Set: N:\CRF3\07102002\J078757B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 26,27,29,30,32,33,35,36

VERIFICATION SUMMARY

DATE: 07/10/2002

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TIME: 10:51:18

Input Set : A:\598-0CON1SEQLIST.TXT

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L:545 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46

L:546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0